

Work Order ID 74844

74844

Page 1

Tuesday, October 11, 2011 1:02:24 PM

Item ID: D206-558-043 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Dual Cargo Mirror Assembly, 6 inch Round
Start Date: 10/11/2011 Start Qty: 4.00 ***4*** Cust Item ID:
Required Date: 10/18/2011 Req'd Qty: 4.00 ***4*** Customer:
Reference:

Approvals: Process Plan: mf Date: 11-10-11 Tooling: Date: Run Start ***NR1***
QC: Date: SPC (Y/N): Date: Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
IIN D206-558	Rev C								
100		0.00							
100	DOCUMENT CONTROL								
DC	Memo	0.00							
Document Control	Photocopy bluefile and create labels per PPP D206-558-043 / DSI 9436 CHG009								
110		0.00							
110	Small Fab								
Small Fab	Memo	0.00							
Small Fab	1- assemble as per dwg D206-558								
120		0.00							
120	QC5- Inspect part completeness to step on W/O								
QC	Memo	0.00							
Quality Control									

Handwritten notes and stamps:
8 u/10/13
for MJS 11-10-12
8 u/10/11 (4)
(24)

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ **PAR #:** _____ **Fault Category:** _____ **NCR: Yes No** **DQA:** _____ **Date:** _____
Resolution: _____ **Disposition:** _____ **QA: N/C Closed:** _____ **Date:** _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 74844***74844***

Page 2

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Item ID: D206-558-043

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Dual Cargo Mirror Assembly, 6 inch Round

Start Date: 10/11/2011 Start Qty: 4.00 ***4***

Cust Item ID:

Required Date: 10/18/2011 Req'd Qty: 4.00 ***4***

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

130

Pick Kit

0.00

130

Packaging

Memo

0.00

Packaging

SP 11-10-12

140

QC4- 100% Inspect kits for completeness

0.00

140

QC

Memo

0.00

Quality Control

8 ulco/17

44

150

Packaging

0.00

150

Packaging

Memo

0.00

Packaging

Identify and pack for shipping as per PPP D206-558-043 /DSI 9436

Location:

PPP Rev: I

SP 11-10-14

I 34"

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
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Page 3

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Revision ID:

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Start Date: 10/11/2011 Start Qty: 4.00 ***4***

Cust Item ID:

Required Date: 10/18/2011 Req'd Qty: 4.00 ***4***

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

160

QC21- Final Inspection - Work Order Release

0.00


160

QC

Memo

0.00

Quality Control

11/10/11 UMF
11-10-14

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ **PAR #:** _____ **Fault Category:** _____ **NCR:** Yes No **DQA:** _____ **Date:** _____
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Picklist Print

Tuesday, October 11, 2011 1:02:23 PM

Page 1

Work Order ID: 74844

Parent Item: D206-558-043

Parent Item Name: Dual Cargo Mirror Assembly, 6 inch Round

Start Date: 10/11/2011

Required Date: 10/18/2011

Start Qty: 4.00

Required Qty: 4.00

Comments: IPP G02.09.19Re-format; Incorporated D2066KJ
 IPP Rev:H 08-05-14 now @ chg006/ add D3778-1 per ECN1171 DD verified:
 IPP Rev:I 08-08-19 now @ chg 007 DD verified by:ec IPP Rev:J 10.10.27 fixe route seq
 DD verf:EC IPP REV:K 11.01.19 AS PER CHG009 DD VERF:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
S ₇₄ D3778-1 Bracket		Manufactured	No			140	Each	16.0000	1	4		11-10-12	
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST228		16							
				71205		16				4x			
D2066 Arm		Manufactured	No			110	Each	5.0000	1	4		11-10-11	
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST227		5							
				67644		5				4			
D2011-101 6" Mirror		Manufactured	No			110	Each	15.0000	2	8		11-10-11	
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST226		15							
				70729		15				8			
S ₇₄ D2071 Cable Assembly		Manufactured	No			130	Each	36.0000	1	8		11-10-12	
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST222		36							
				69196		8				4x			
				71206		15							
				74112		13							
S ₇₂ D2067 Connector		Manufactured	No			130	Each	40.0000	1	4		11-10-12	
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST005		40							
				67403		10				4x			
				70066		30							

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
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Picklist Print

Tuesday, October 11, 2011 1:02:24 PM

Page 2

Work Order ID: 74844

Parent Item: D206-558-043

Parent Item Name: Dual Cargo Mirror Assembly, 6 inch Round

Start Date: 10/11/2011

Required Date: 10/18/2011

Start Qty: 4.00

Required Qty: 4.00

D2053
Mounting Bracket

Manufactured No

130 Each 30.0000

1 *SP*

Location Loc Qty Loc Code

ST005 30

71595 30

AN3-4A
Bolt

Purchased No

130 Each 475.0000

4 *SP* 16

Location Loc Qty Loc Code

ST350 475

104291 175

104625 300

AN526-1032R9
Screw

Purchased No

130 Each 100.0000

4 *SP* 16

Location Loc Qty Loc Code

ST328 100

116900 4

117395 96

AN960JD10L
Washer

NAS1149D0332J

Purchased No

130 Each 0.0000

6 *m117087 SP*

MS21042L3
Nut

Purchased No

130 Each 10,773.000

1 *SP* 4 *11-10-12*

Location Loc Qty Loc Code

ST300 1773

117441 16

117885 91

118451 666

118927 1000

ST516 6000

119017 6000

ST518 3000

119075 3000

Tuesday, October 11, 2011 1:02:24 PM

Shop Packet Print

Page 2

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
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NOTE: Date & initial all entries

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Tuesday, October 11, 2011 1:02:24 PM

Page 3

Work Order ID: 74844

Parent Item: D206-558-043

Start Date: 10/11/2011

Required Date: 10/18/2011

Parent Item Name: Dual Cargo Mirror Assembly, 6 inch Round

Start Qty: 4.00

Required Qty: 4.00

S
M

MS21919-DG5

Purchased No

130 Each 48.0000 2

Clamp

8
SP

Location

Loc Qty

Loc Code

ST306

48

118077

2

118840

46

2x
OK

MS35489-9

Purchased No

130 Each 45.0000 1

Grommet

4
SP 11-10-12

S
M

Location

Loc Qty

Loc Code

ST296

45

107376

45

4x

Tuesday, October 11, 2011 1:02:24 PM

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Page 3

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

74844

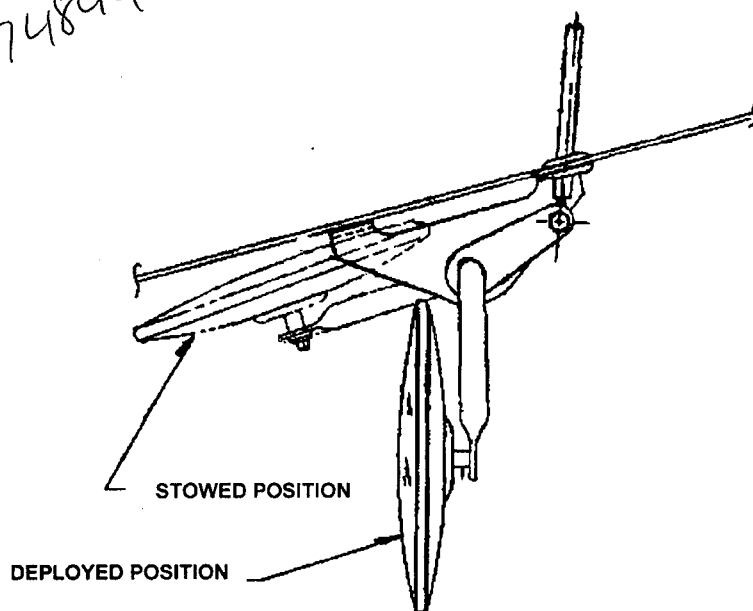


Figure 25.4 – Detail D: Looking from Side on Mirror Installation
(D206-558-041/-043 Mirror Shown)

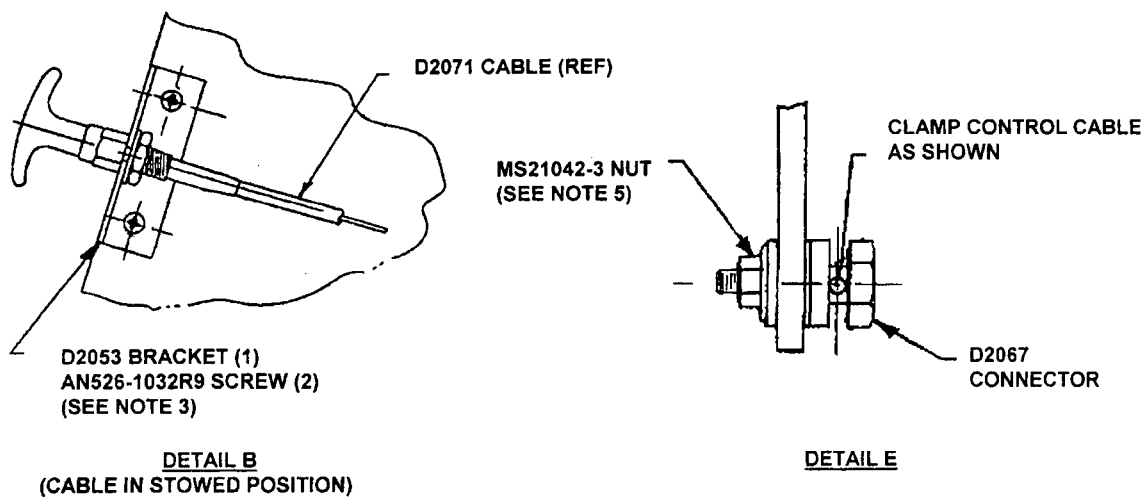


Figure 25.5 – Details B and E on Mirror Installation
(D206-558-041/-043 Mirror Shown)

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

74844

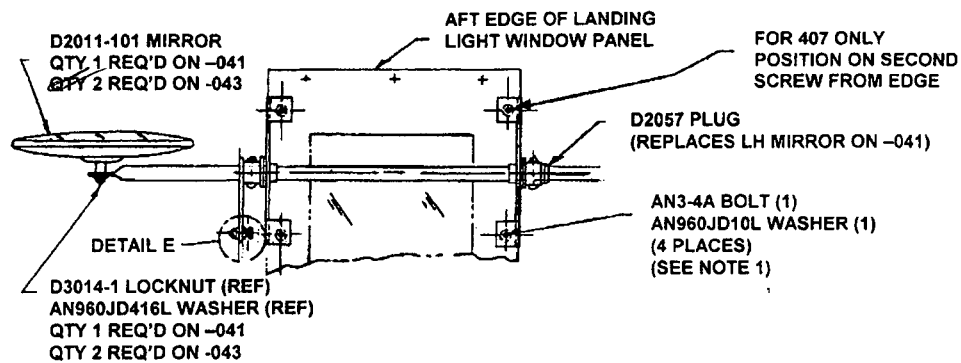


Figure 3: - View C: Looking Down on Mirror Installation
(D206-558-041 Mirror Shown)

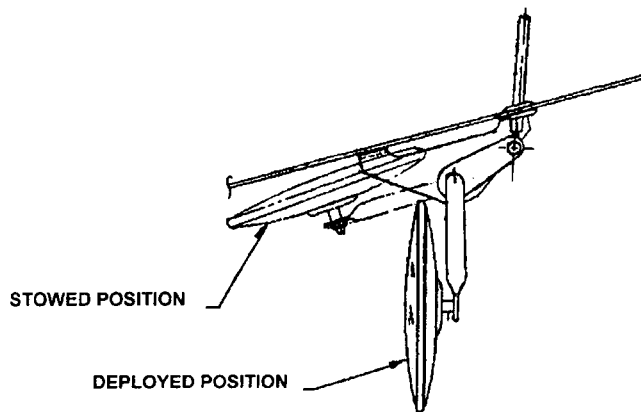


Figure 4: - Detail D: Looking from Side on Mirror Installation
(D206-558-041/-043 Mirror Shown)

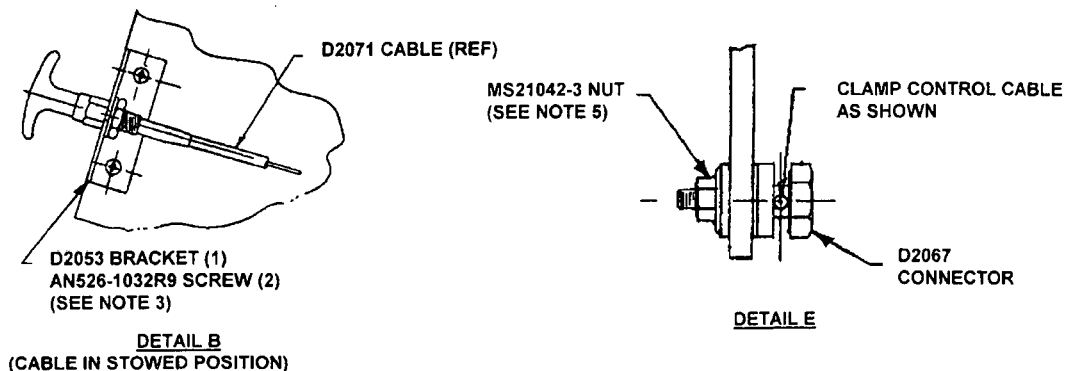


Figure 5: - Details B and E on Mirror Installation
(D206-558-041/-043 Mirror Shown)

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

S

REFERENCE ONLY

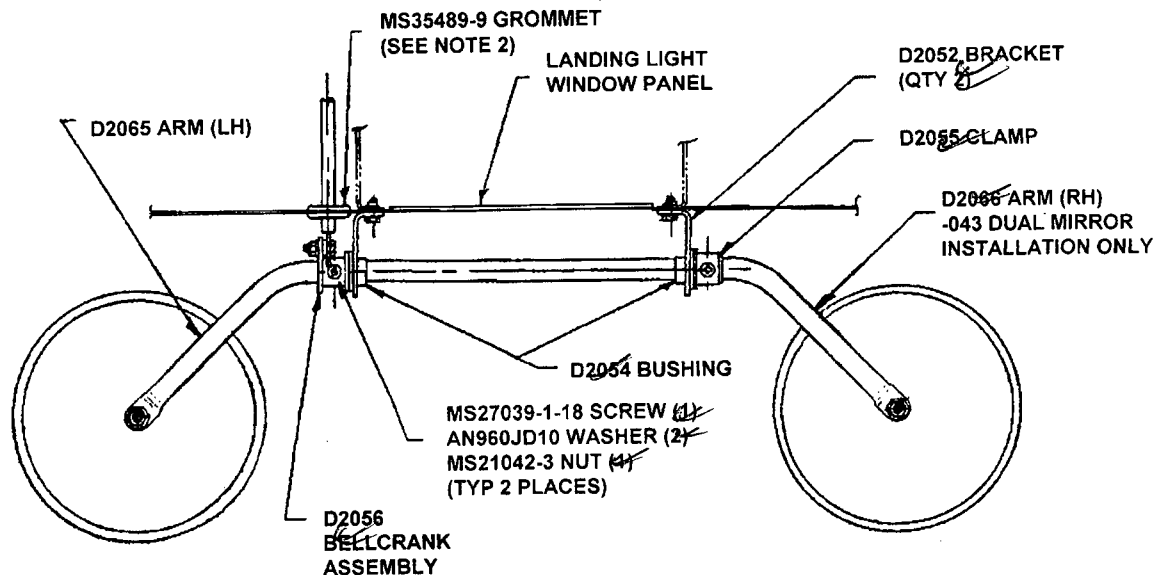


Figure 25.2 – View A: Looking Aft.
(D206-558-043 Mirror Shown)

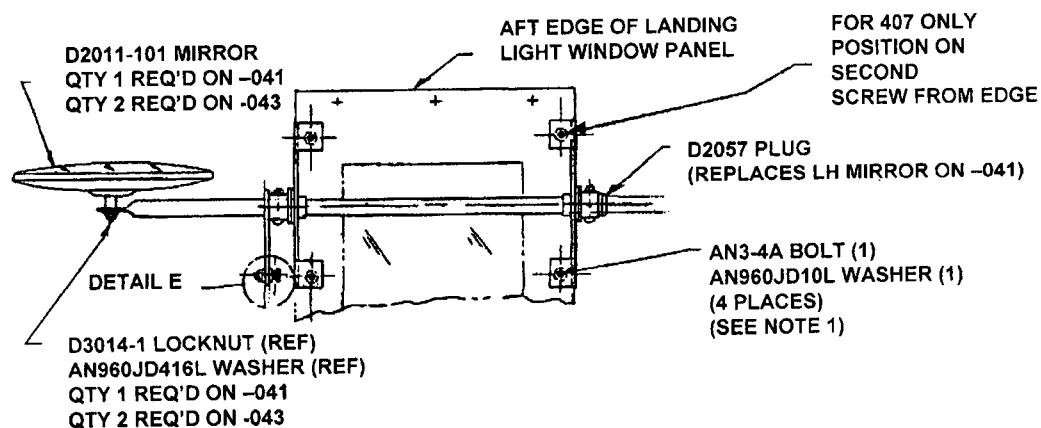


Figure 25.3 – View C: Looking Down on Mirror Installation
(D206-558-041 Mirror Shown)

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25-00-00

REFERENCE ONLY

FROM THIS POINT FORWARD, CUSTOMERS SHOULD ORDER D407-558-045/-047 IN LIEU OF D206-558-041/-043 WHEN PROCURING SINGLE/DUAL MIRRORS FOR BHT 407 MODELS. AMEND SECTIONS 4.0 AND 5.0 OF INSTALLATION INSTRUCTIONS D206-558 REV. C OR EARLIER AND 25.3 AND 25.4 OF ICA-D206-558 REV. 0 AS FOLLOWS:

4.0 WEIGHT AND BALANCE (D206-558 REV. C OR EARLIER)

25.3 WEIGHT AND BALANCE (ICA-D206-558 REV. 0)

Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
D206-558-041	2.4 lb	+5.0 in	+12.0 in-lb	+14.8 in	+35.5 in-lb
Bell 206A/B/L/L1/L3/L4	1.09 Kg	+0.13 m	+0.14 m-Kg	+0.38 m	+0.41 m-Kg
D206-558-043	3.0 lb	0.0 in	0.0 in-lb	+14.8 in	+44.4 in-lb
Bell 206A/B/L/L1/L3/L4	1.36 Kg	0.0 m	0.0 m-Kg	+0.38 m	+0.52 m-Kg
D407-558-045	2.4 lb	+5.0 in	+12.0 in-lb	+14.8 in	+35.5 in-lb
Bell 407	1.09 Kg	+0.13 m	+0.14 m-Kg	+0.38 m	+0.41 m-Kg
D407-558-047	3.0 lb	0.0 in	0.0 in-lb	+14.8 in	+44.4 in-lb
Bell 407	1.36 Kg	0.0 m	0.0 m-Kg	+0.38 m	+0.52 m-Kg

5.0 PARTS LIST (D206-558 REV. C OR EARLIER)

25.4 PARTS LIST (ICA-D206-558 REV. 0)

Qty -041	Qty -043	Qty -045	Qty -047	Part Number	Description
X				D206-558-041	SINGLE CARGO MIRROR ASSEMBLY
	X			D206-558-043	DUAL CARGO MIRROR ASSEMBLY
		X		D407-558-045	SINGLE CARGO MIRROR ASSEMBLY
			X	D407-558-047	DUAL CARGO MIRROR ASSEMBLY
1	2	1	2	D2011-101	MIRROR ASSEMBLY
2	2	2	2	D2052	BRACKET
1	1	1	1	D2053	BRACKET
2	2	2	2	D2054	BUSHING
1	1	1	1	D2055	CLAMP
1	1	1	1	D2056	BELLCRANK ASSEMBLY
1		1		D2057	PLUG
1		1		D2065	ARM
	1		1	D2066	ARM
1	1	1	1	D2067	CONNECTOR
1	1			D2071	CABLE ASSEMBLY
		1	1	D2071-3	CABLE ASSEMBLY
1	2	1	2	D3014-1	* LOCKNUT
1	1	1	1	D3778-1	BRACKET
4	4	4	4	AN3-4A	BOLT
4	4	4	4	AN526-1032R9	SCREW
1	2	1	2	AN960JD416L	* WASHER
4	4	4	4	AN960JD40	WASHER
6	6	6	6	AN960JD10L	WASHER
3	3	3	3	MS21042-3	NUT (or MS21042L3)
2	2	2	2	MS21919DG5	CLAMP
2	2	2	2	MS27039-1-18	SCREW
1	1			MS35489-9	GROMMET
		1	1	MS35489-67	GROMMET

* INCLUDED AS PART OF D2011-101 MIRROR ASSEMBLY

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: *[Signature]*
D. SHEPHERD (DE # 02)

DATE: 08.12.04
CERT. NO.: SH92-17
ISSUE NO.: 7

DESIGN		DART AEROSPACE LTD	
DRAWN	<i>[Signature]</i>	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9436	SHEET 2 OF 2
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	CABLE CHANGE	NTS
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